

FIG. 1

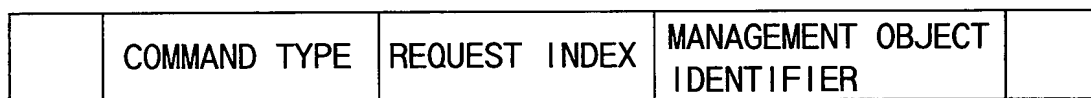


FIG. 2

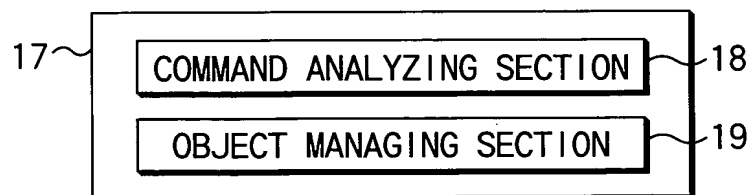


FIG. 3

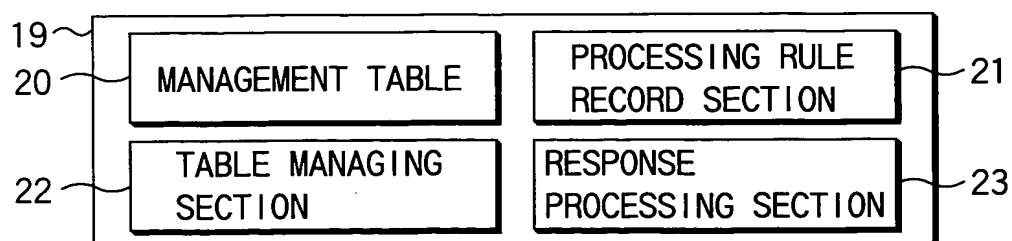


FIG. 4

20a MANAGEMENT OBJECT IDENTIFIER	20b MANAGEMENT OBJECT COLLECTION TIME	20c MANAGEMENT OBJECT	20 20d CLASSIFICATION DATA
XX.XX.XX	XX m sec	50	TYPE B
-----	-----	-----	-----
-----	-----	-----	-----
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FIG. 5

LONG COLLECTION TIME	CLASSIFICATION DATA
○(=YES)	TYPE A
×(=NO)	TYPE B

FIG. 6

TYPE A	SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION.
TYPE B	SEND COLLECTION REQUEST TO MIB PROCESSING SECTION TO PREVIOUSLY STORE COLLECTED MANAGEMENT OBJECTS IN MANAGEMENT TABLE. READ MANAGEMENT OBJECT OF RECEIVED IDENTIFIER FROM MANAGEMENT TABLE TO PRODUCE RESPONSE.

FIG. 7

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graph TD
    START([START]) --> S11{S11  
COMMAND RECEIVED ?}
    S11 -- YES --> S12[S12  
ANALYZE COMMAND AT COMMAND  
ANALYZING SECTION]
    S11 -- NO --> S21[S21  
SEND COLLECTION REQUEST TO  
MIB PROCESSING SECTION TO  
OBTAIN MANAGEMENT OBJECTS  
OF CLASSIFIED TYPE "A"]
    S12 --> S13{S13  
IS  
COMMAND TYPE "GET"  
OR "GETNEXT"  
?}
    S13 -- YES --> S15[S15  
READ CLASSIFICATION DATA  
FROM MANAGEMENT TABLE]
    S13 -- NO --> S14[S14  
SEND SNMP COMMAND TO SNMP  
COMMAND EXECUTING SECTION]
    S15 --> S16{S16  
IS  
MANAGEMENT OBJECT  
OF CLASSIFIED TYPE  
A REQUESTED  
?}
    S16 -- YES --> S20{S20  
IS  
MANAGEMENT OBJECT  
PRESENT IN MANAGEMENT  
TABLE ?}
    S16 -- NO --> S17[S17  
SEND COLLECTION REQUEST  
FOR MANAGEMENT OBJECT OF  
RECEIVED IDENTIFIER TO  
MIB PROCESSING SECTION]
    S20 -- YES --> S21[READ MANAGEMENT OBJECT]
    S20 -- NO --> S17
    S21 --> S19[S19  
TRANSMIT RESPONSE  
PRODUCED BY RESPONSE  
PROCESSING SECTION]
    S17 --> S18[S18  
STORE OBTAINED  
MANAGEMENT OBJECT IN  
MANAGEMENT TABLE]
    S18 --> S19
    S19 --> END([END])

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FIG. 8

20a MANAGEMENT OBJECT IDENTIFIER	20e DATA VALUE (1)	-----	DATA VALUE (n)	20 20c MANAGEMENT OBJECT	20d CLASSIFICATION DATA

FIG. 9

20a MANAGEMENT OBJECT IDENTIFIER	20c MANAGEMENT OBJECT	20 20f NUMBER OF ACCESSES IN TIME (1)	-----	NUMBER OF ACCESSES IN TIME (n)	20d CLASSIFICATION DATA

FIG. 10

TYPE A	SEND COLLECTION REQUEST FOR MANAGEMENT OBJECTS OF TYPE B TO MIB PROCESSING SECTION TO STORE COLLECTED MANAGEMENT OBJECTS IN MANAGEMENT TABLE. THEREAFTER, SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION.
TYPE B	READ MANAGEMENT OBJECT OF RECEIVED IDENTIFIER FROM MANAGEMENT TABLE. IF IT IS ABSENT, SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION.

FIG. 11

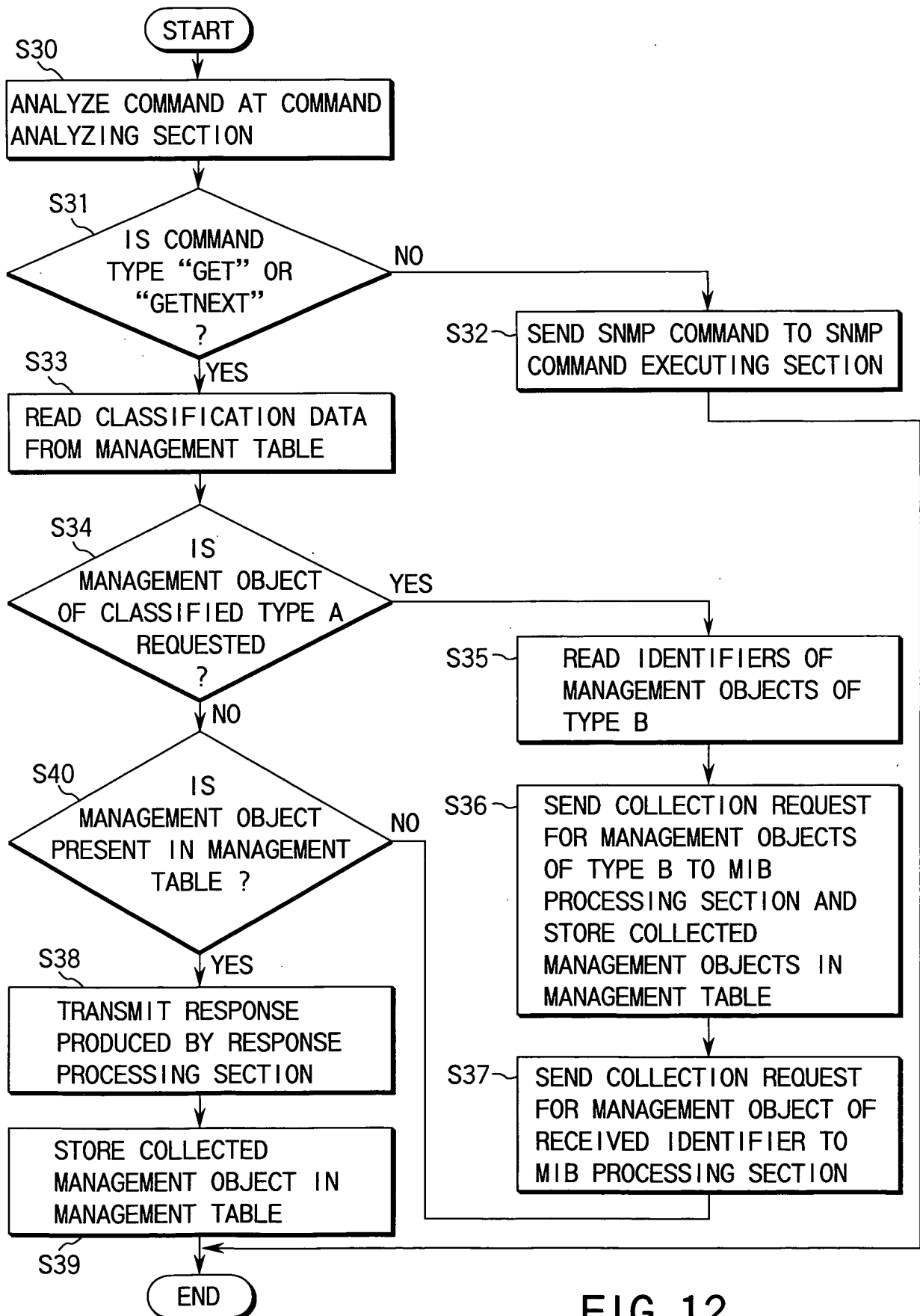


FIG. 12

20a	20b	20c	20f		20	20d
MANAGEMENT OBJECT IDENTIFIER	MANAGEMENT OBJECT COLLECTION TIME	MANAGEMENT OBJECT	NUMBER OF ACCESSES IN TIME (1)	---	NUMBER OF ACCESSES IN TIME (n)	CLASSIFI- CATION DATA

FIG. 13

LONG COLLECTION TIME	HIGH ACCESS FREQUENCY	CLASSIFICATION DATA
○	○	TYPE A
○	×	TYPE A
×	○	TYPE B
×	×	TYPE C

○=YES X=NO

FIG. 14

TYPE A	SEND COLLECTION REQUEST FOR MANAGEMENT OBJECTS OF TYPE B TO MIB PROCESSING SECTION AND STORE MANAGEMENT OBJECTS IN MANAGEMENT TABLE. THEREAFTER, SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION.
TYPE B	READ MANAGEMENT OBJECT OF RECEIVED IDENTIFIER FROM MANAGEMENT TABLE. IF IT IS ABSENT, SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION.
TYPE C	SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION.

FIG. 15

```

graph TD
    START([START]) --> S40[ANALYZE COMMAND AT COMMAND ANALYZING SECTION]
    S40 --> S41{IS COMMAND TYPE "GET" OR "GETNEXT"?}
    S41 -- NO --> S42[SEND SNMP COMMAND TO COMMAND EXECUTING SECTION]
    S42 --> END([END])
    S41 -- YES --> S43[READ CLASSIFICATION DATA FROM MANAGEMENT TABLE]
    S43 --> S44{IS MANAGEMENT OBJECT OF CLASSIFIED TYPE A REQUESTED?}
    S44 -- YES --> S45[READ IDENTIFIERS OF MANAGEMENT OBJECTS OF CLASSIFIED TYPE B FROM MANAGEMENT TABLE]
    S45 --> S46[SEND COLLECTION REQUEST FOR MANAGEMENT OBJECTS OF TYPE B TO MIB PROCESSING SECTION AND STORE OF COLLECTED MANAGEMENT OBJECTS IN MANAGEMENT TABLE]
    S46 --> S47[SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION]
    S47 --> P3((P3))
    S44 -- NO --> S56{IS MANAGEMENT OBJECT OF CLASSIFIED TYPE B REQUESTED?}
    S56 -- YES --> S47
    S56 -- NO --> S60[SEND COLLECTION REQUEST FOR MANAGEMENT OBJECT OF RECEIVED IDENTIFIER TO MIB PROCESSING SECTION AND PROCESS COLLECTION RESULT]
    S60 --> P1((P1))
    S47 --> P2((P2))
  
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FIG. 16A

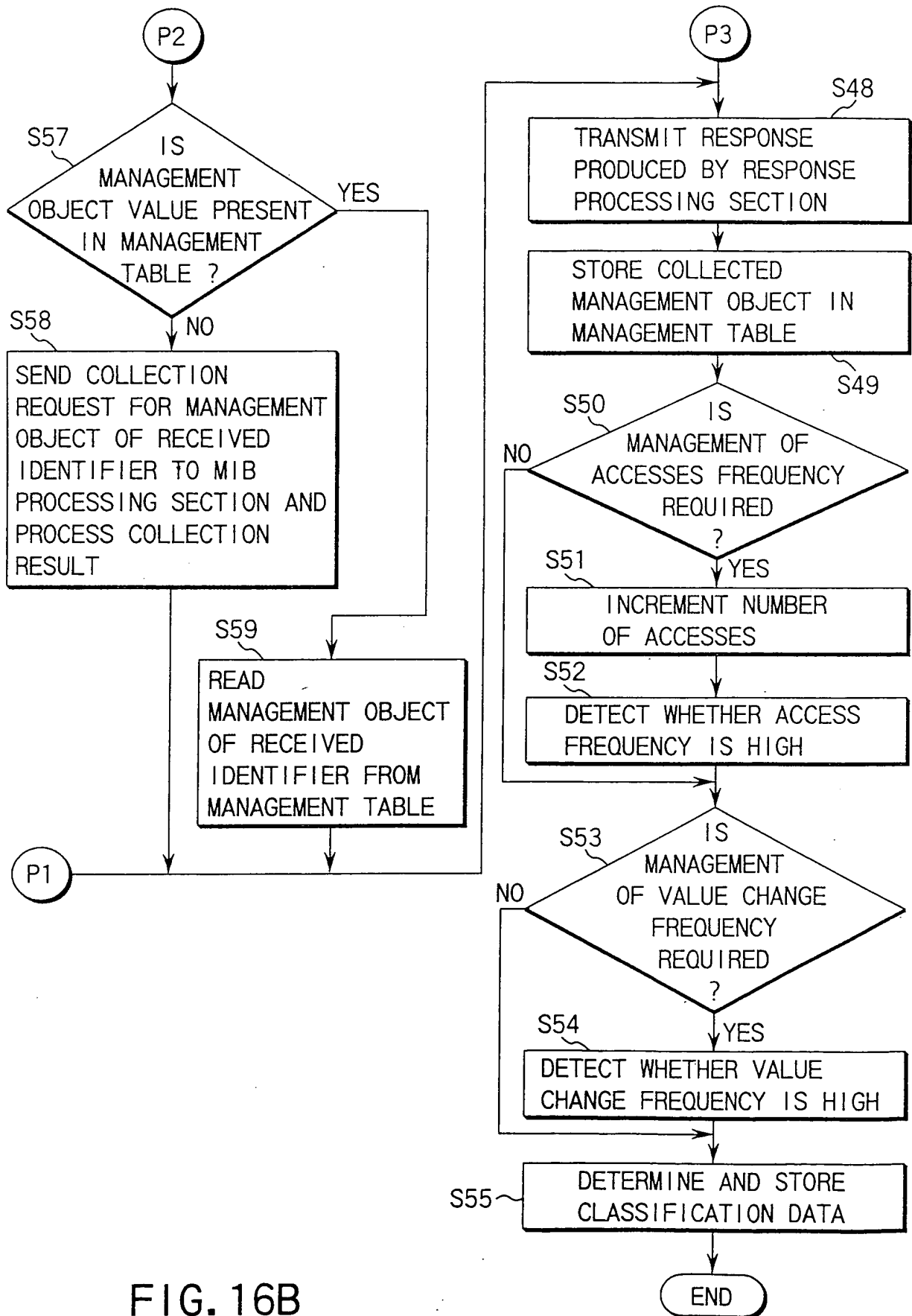


FIG. 16B

20a	20b	20c	20e		20	20d
MANAGEMENT OBJECT IDENTIFIER	MANAGEMENT OBJECT COLLECTION TIME	MANAGEMENT OBJECT	DATA VALUE (1)	---	DATA VALUE (n)	CLASSIFICATION DATA

FIG. 17

LONG COLLECTION TIME	HIGH VALUE CHANGE FREQUENCY	CLASSIFICATION DATA
○	○	TYPE A
○	×	TYPE A
×	○	TYPE B
×	×	TYPE C

○=YES ✕=NO

FIG. 18

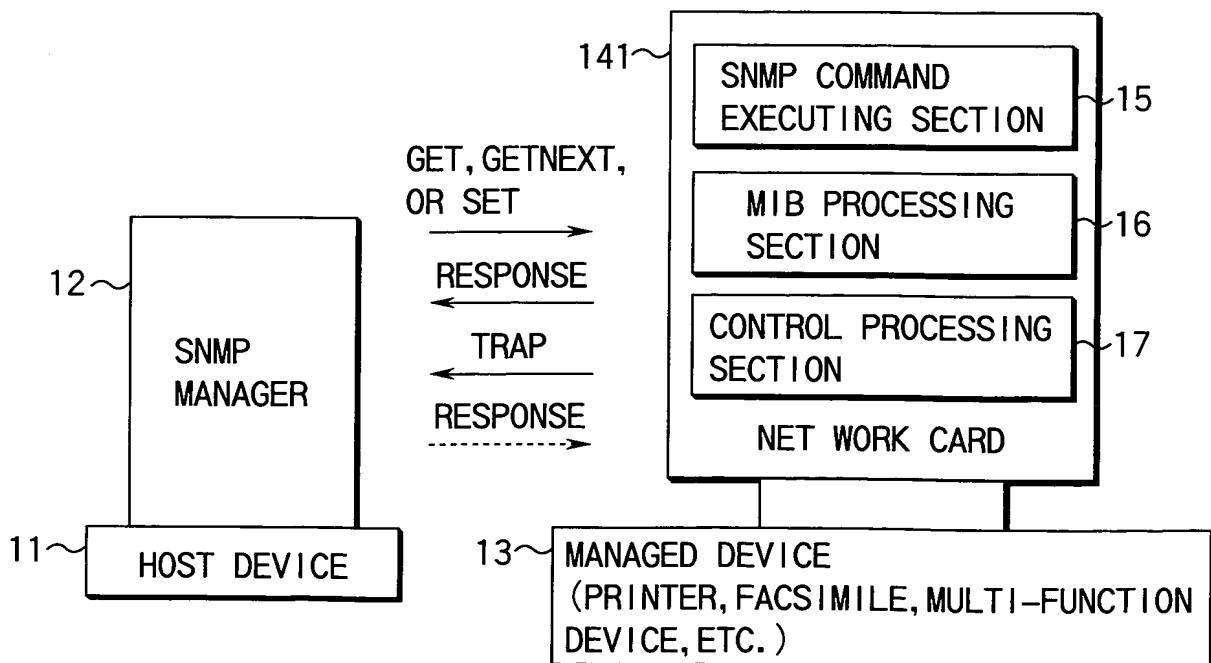


FIG. 19